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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number 10/625,885

Application Number	10/625,885
Filing Date	July 23, 2003
First Named Inventor	Andrew W. Phelps
Art Unit	1755
Examiner Name	Patricia L. Hailey
Attorney Docket Number	LIVD-0270 LA/LID 267

Examiner Signature	/Patricia Hailey/ (08/08/2006)	Date Considered	
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Complete if Known

Application Number	10/625,885
Filing Date	July 23, 2003
First Named Inventor	Andrew W. Phelps
Art Unit	1714
Examiner Name	Patricia L. Hailey

Attorney Docket Number UVD 0279 IA/UD 267

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
LH		US-4,012,195	03-15-1977	Noack	
		US-4,096,090	06-20-1978	Noack	
		US-4,479,917	10-30-1984	Rothgery et al	
		US-4,673,445	06-16-1987	Tuttle, Jr. et al	
		US-5,298,092	03-29-1994	Schriever	
		US-5,378,293	01-03-1995	Schriever	
		US-5,411,606	05-02-1995	Schriever	
		US-5,415,687	05-16-1995	Schriever	
		US-5,468,307	11-21-1995	Schriever	
		US-5,472,524	12-05-1995	Schriever	
		US-5,487,949	01-30-1996	Schriever	
		US-5,551,994	09-03-1996	Schriever	
		US-5,873,953	02-23-1999	Schriever	
		US-6,432,225 B1	08-13-2002	Schriever	
LH		US-6,500,276 B1	12-31-2002	Minevski et al	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
LH		WO 96/29448	09-26-1996	Henkel Corporation		
		WO 98/51841	11-19-1998	Henkel Corporation		
		WO 96/21753	07-18-1996	Henkel Corporation		
		WO 93/05198	03-18-1993	Henkel Corporation		
		WO 96/05335	02-22-1996	Boeing Company, The		
		WO 94/00619	01-06-1994	Boeing Company, The		
		EP 0 523 288 A1	01-20-1993	Boeing Company, The		
		EP 0 458 020 A1	11-27-1991	Boeing Company, The		
		EP 0 488 430 A2	06-03-1992	Boeing Company, The		
LH		EP 0 486 778 B1	05-27-1992	PPG Industries, Inc.		

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Sheet 2 of 2

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First Named Inventor	Andrew W. Phelps
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Attorney Docket Number	UVD 0279 IA/JD 267

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Examiner Name	Patricia L. Hailey
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U. S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
LH		US-1,078,788	11-18-1913	Kaplan
		US-1,216,451	02-20-1917	Holmes
		US-3,055,833	09-25-1962	Baltzer
		US-3,615,810	10-26-1971	Holznagel et al
		US-3,879,523	04-22-1975	Miyata et al
		US-4,024,036	05-17-1977	Nakamura et al
		US-4,469,521	09-04-1984	Salensky
		US-5,672,329	09-30-1997	Okada et al
		US-2003/0234063	12-25-2003	Sturgill et al
		US-2004/0020568	02-05-2004	Phelps et al
		US-2003/0230363	12-18-2003	Sturgill et al
		US-2004/0016910	01-29-2004	Phelps et al
		US-2004/0231754	11-25-2004	Phelps et al
LH		US-2004/0011252	01-22-2004	Sturgill et al
		US-		

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